

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 14-23

A

Adams, S. S., 21:341-62
Aist, J. R., 14:145-63
Altman, J., 15:361-85
Anderson, N. A., 20:329-47
Anikster, Y., 17:367-403
Armentrout, V. N., 15:119-34
Aycock, R., 14:165-75
Ayres, P. G., 22:53-75

B

Backman, P. A., 16:211-37
Baker, E. A., 18:85-101
Baker, K. F., 20:1-25, 21:13-20
Bangerth, F., 17:97-122
Barker, K. R., 19:21-28
Bashi, E., 16:83-101
Benson, D. M., 17:485-502
Berger, R. D., 15:165-83
Beute, M. K., 17:485-502
Bitancourt, A. A., 16:1-18
Black, L. M., 19:1-19
Blakeman, J. P., 20:167-92
Blanchard, R. O., 14:309-25
Bloomberg, W. J., 23:83-96
Boosalis, M. G., 19:167-87
Boothroyd, C. W., 20:41-47
Bowen, G. D., 14:121-44
Bove, J. M., 22:361-96
Brakke, M. K., 22:77-94
Browder, L. E., 23:201-50
Broadbent, L., 14:75-96
Bruehl, G. W., 14:247-64, 18:11-18
Buddenhagen, I. W., 21:385-409
Burdon, J. J., 20:143-66

C

Campbell, C. L., 15:361-85, 21:385-409; 23:129-48
Carlson, G. A., 14:381-403, 17:149-61
Carter, C. C., 21:271-88
Castellano, M., 22:331-59
Caswell, E. P., 23:275-96
Caten, C. E., 15:295-318
Chakravorty, A. K., 15:135-51
Chang, Y. H., 20:71-92

Chilvers, G. A., 20:143-66
Chiu, W. F., 20:71-92
Christie, R. G., 16:31-55
Clark, M. F., 19:83-106
Cohen, Y., 16:83-101
Connors, I. L., 18:19-25
Cook, R. J., 15:409-29
Costa, A. S., 14:429-49
Cowling, E. B., 15:431-50
Crill, P., 15:185-202
Croll, N. A., 15:75-89
Curl, E. A., 18:311-32
Cummins, G. B., 16:19-30
Czochor, R. J., 18:237-58

D

Dahlberg, K. R., 20:281-301
Daly, J. M., 22:273-307
Daniels, M. J., 21:29-43
Day, A. W., 15:295-318
DeBoer, S. H., 23:321-50
Dekker, J., 14:405-28
Dinoor, A., 22:443-66
Dodds, J. A., 22:151-68
Dollet, M., 22:115-32
Doupnik, B. Jr., 19:167-87
Drew, M. C., 18:37-66
Dubin, H. J., 19:41-49
Duke, W. B., 16:431-51
Duniway, J. M., 17:431-60

E

Eckert, J. W., 23:421-54
Edens, T. C., 20:363-95
Edgington, L. V., 19:107-24
Edwardson, J. R., 16:31-55
Eisenback, J. D., 21:271-88
Ellingboe, A. H., 19:125-43
Epstein, A. H., 16:181-92
Ercolani, G. L., 22:35-52
Eshed, N., 22:443-66
Evans, L. S., 22:397-420

F

Fernandez Valiela, M. V., 14:11-29
Ferris, H., 19:427-36
Fischer, G. W., 21:13-20
Fokkema, N. J., 20:167-92

Foster, G. H., 17:343-66
Freckman, D. W., 23:275-96
French, R. C., 23:173-200
Frederiksen, R. A., 15:249-75; 22:247-72
Fulton, R. W., 18:131-46; 22:27-34

G

Gardner, M. W., 15:13-15
Garrett, S. D., 19:29-34; 23:13-18
Ghabrial, S. A., 18:441-61
Gibbs, J. N., 16:287-307
Giebel, J., 20:257-79
Gilligan, C. A., 21:45-64
Gould, A. R., 21:179-99
Gracen, V. E., 20:219-33
Grainger, J., 17:223-52
Graves, L. B. Jr., 15:119-34
Green, G. J., 18:19-25
Gregory, P. H., 15:1-11
Griffin, D. M., 15:319-29
Griffin, G. D., 19:21-28
Griffiths, E., 19:69-82
Grogan, R. G., 19:333-51
Groth, J. V., 14:177-88

H

Halk, E. H., 23:321-50
Hancock, J. G., 19:309-31
Hardison, J. R., 14:355-79
Harlan, J. R., 14:31-51
Harris, K. F., 15:55-73; 19:391-426
Harris, M. K., 22:247-72
Harrison, B. D., 15:331-60; 23:55-82
Hart, J. H., 19:437-58
Harvey, J. M., 16:321-41
Hau, B., 18:67-83
Haynes, D. L., 20:363-95
Heath, M. C., 18:211-36
Hepting, G. H., 15:431-50
Hewitt, W. B., 17:1-12
Hildebrand, D. C., 20:235-56
Hirano, S. S., 21:243-69
Hirschmann, H., 18:333-59
Hopkins, D. L., 15:277-94
Homby, D., 21:65-85

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 14-23

A

Adams, S. S., 21:341-62
Aist, J. R., 14:145-63
Altman, J., 15:361-85
Anderson, N. A., 20:329-47
Anikster, Y., 17:367-403
Armentrout, V. N., 15:119-34
Aycock, R., 14:165-75
Ayres, P. G., 22:53-75

B

Backman, P. A., 16:211-37
Baker, E. A., 18:85-101
Baker, K. F., 20:1-25, 21:13-20
Bangerth, F., 17:97-122
Barker, K. R., 19:21-28
Bashi, E., 16:83-101
Benson, D. M., 17:485-502
Berger, R. D., 15:165-83
Beute, M. K., 17:485-502
Bitancourt, A. A., 16:1-18
Black, L. M., 19:1-19
Blakeman, J. P., 20:167-92
Blanchard, R. O., 14:309-25
Bloomberg, W. J., 23:83-96
Boosalis, M. G., 19:167-87
Boothroyd, C. W., 20:41-47
Bowen, G. D., 14:121-44
Bove, J. M., 22:361-96
Brakke, M. K., 22:77-94
Browder, L. E., 23:201-50
Broadbent, L., 14:75-96
Bruehl, G. W., 14:247-64, 18:11-18
Buddenhagen, I. W., 21:385-409
Burdon, J. J., 20:143-66

C

Campbell, C. L., 15:361-85, 21:385-409; 23:129-48
Carlson, G. A., 14:381-403, 17:149-61
Carter, C. C., 21:271-88
Castellano, M., 22:331-59
Caswell, E. P., 23:275-96
Caten, C. E., 15:295-318
Chakravorty, A. K., 15:135-51
Chang, Y. H., 20:71-92

Chilvers, G. A., 20:143-66
Chiu, W. F., 20:71-92
Christie, R. G., 16:31-55
Clark, M. F., 19:83-106
Cohen, Y., 16:83-101
Connors, I. L., 18:19-25
Cook, R. J., 15:409-29
Costa, A. S., 14:429-49
Cowling, E. B., 15:431-50
Crill, P., 15:185-202
Croll, N. A., 15:75-89
Curl, E. A., 18:311-32
Cummins, G. B., 16:19-30
Czochor, R. J., 18:237-58

D

Dahlberg, K. R., 20:281-301
Daly, J. M., 22:273-307
Daniels, M. J., 21:29-43
Day, A. W., 15:295-318
DeBoer, S. H., 23:321-50
Dekker, J., 14:405-28
Dinoor, A., 22:443-66
Dodds, J. A., 22:151-68
Dollet, M., 22:115-32
Doupnik, B. Jr., 19:167-87
Drew, M. C., 18:37-66
Dubin, H. J., 19:41-49
Duke, W. B., 16:431-51
Duniway, J. M., 17:431-60

E

Eckert, J. W., 23:421-54
Edens, T. C., 20:363-95
Edgington, L. V., 19:107-24
Edwardson, J. R., 16:31-55
Eisenback, J. D., 21:271-88
Ellingboe, A. H., 19:125-43
Epstein, A. H., 16:181-92
Ercolani, G. L., 22:35-52
Eshed, N., 22:443-66
Evans, L. S., 22:397-420

F

Fernandez Valiela, M. V., 14:11-29
Ferris, H., 19:427-36
Fischer, G. W., 21:13-20
Fokkema, N. J., 20:167-92

Foster, G. H., 17:343-66
Freckman, D. W., 23:275-96
French, R. C., 23:173-200
Frederiksen, R. A., 15:249-75; 22:247-72
Fulton, R. W., 18:131-46; 22:27-34

G

Gardner, M. W., 15:13-15
Garrett, S. D., 19:29-34; 23:13-18
Ghabrial, S. A., 18:441-61
Gibbs, J. N., 16:287-307
Giebel, J., 20:257-79
Gilligan, C. A., 21:45-64
Gould, A. R., 21:179-99
Gracen, V. E., 20:219-33
Grainger, J., 17:223-52
Graves, L. B. Jr., 15:119-34
Green, G. J., 18:19-25
Gregory, P. H., 15:1-11
Griffin, D. M., 15:319-29
Griffin, G. D., 19:21-28
Griffiths, E., 19:69-82
Grogan, R. G., 19:333-51
Groth, J. V., 14:177-88

H

Halk, E. H., 23:321-50
Hancock, J. G., 19:309-31
Hardison, J. R., 14:355-79
Harlan, J. R., 14:31-51
Harris, K. F., 15:55-73; 19:391-426
Harris, M. K., 22:247-72
Harrison, B. D., 15:331-60; 23:55-82
Hart, J. H., 19:437-58
Harvey, J. M., 16:321-41
Hau, B., 18:67-83
Haynes, D. L., 20:363-95
Heath, M. C., 18:211-36
Hepting, G. H., 15:431-50
Hewitt, W. B., 17:1-12
Hildebrand, D. C., 20:235-56
Hirano, S. S., 21:243-69
Hirschmann, H., 18:333-59
Hopkins, D. L., 15:277-94
Homby, D., 21:65-85

- Horne, W. H., 19:51-67
 Horsfall, J. G., 17:29-35,
 20:27-32
 Horst, R. K., 22:21-26
 Huisman, O. C., 19:309-31,
 20:235-56, 303-27

J

- Jacobsen, B. J., 21:137-52
 Jansson, H. B., 22:95-113
 Johnson, R., 14:97-119;
 22:309-30
 Johnson, T., 18:19-25
 Jordan, R. L., 22:151-68

K

- Kado, C. I., 14:265-308
 Katan, J., 19:211-36
 Kelman, A., 15:409-29,
 18:361-87; 23:1-11
 Kent, G. C., 17:21-28
 Kern, H., 23:19-22
 Kirk, T. K., 18:259-88
 Kiyosawa, S., 20:93-117
 Knott, D. R., 14:211-35
 Kohmoto, K., 21:87-116
 Kolattukudy, P. E., 23:223-50
 Kranz, J., 18:67-83
 Kuijt, J., 15:91-118

L

- Lacy, G. H., 17:181-202
 Laurence, J. A., 19:257-71
 Leary, J. V., 17:181-202
 Leben, C., 19:35-40
 Leonard, K. J., 18:237-58
 Linderman, R. G., 17:253-77
 Lindow, S. E., 21:363-84
 Loegering, W. Q., 16:309-20
 Loomis, R. S., 21:341-62
 Lumsden, R. D., 18:389-413
 Luttrell, E. S., 19:373-89
 Lyda, S. D., 16:193-209
 Lynch, J. M., 18:37-66

M

- Main, C. E., 14:381-403
 Mamiya, Y., 21:201-20
 Mankau, R., 18:415-40
 Markham, R., 15:17-39
 Mathys, G., 18:85-101
 Maxwell, D. P., 15:119-34
 Mayo, M. A., 20:49-70
 McDonald, D., 21:153-78
 Merrill, W., 16:239-61
 Mills, D., 23:297-320
 Mitchell, R. E., 22:215-45
 Molina, R., 22:331-59

- Moore, L. W., 17:163-79
 Moreno, R. A., 23:491-512
 Morris, T. J., 22:151-68
 Munnecke, D. E., 17:405-
 29
 Murant, A. F., 20:49-70
 Musselman, L. J., 18:463-
 89
 Mylyk, O. M., 14:177-88

N

- Nelson, R. R., 16:359-78;
 22:11-19
 Newhall, A. G., 18:27-36
 Nienhaus, F., 17:37-58
 Nishimura, S., 21:87-116
 Noe, J. P., 23:129-48
 Noffsinger, E. M., 19:21-28
 Nolla, J. A. B., 14:11-29
 Norton, D. C., 17:279-99

O

- Ogawa, J. M., 23:421-54
 Olthof, T. H. A., 14:327-
 53
 Ou, S. H., 18:167-87; 22:1-10
 Ouchi, S., 21:289-315

P

- Panopoulos, N. J., 23:381-419
 Papavizas, G. C., 18:389-413;
 23:23-54
 Parlevliet, J. E., 17:203-22
 Peet, R. C., 23:381-419
 Perombelon, M. C. M., 18:361-
 87
 Person, C., 14:177-88
 Pirone, T. P., 15:55-73
 Pirozynski, K. A., 14:237-46
 Posnette, A. F., 18:1-9
 Powers, H. R. Jr., 19:353-71
 Prescott, J. M., 16:263-85
 Punja, Z. K., 23:97-128
 Purcell, A. H., 20:397-417
 Putnam, A. R., 16:431-51

R

- Rapilly, F., 17:59-73
 Reinert, R. A., 22:421-42
 Renfro, B. L., 15:249-75
 Robinson, R. A., 18:189-210
 Rodriguez-Kabana, R., 18:311-
 32
 Rotem, J., 16:83-101
 Rovira, A. D., 14:121-44

S

- Saari, E. E., 16:263-85
 Sasser, J. N., 21:271-88
 Schaad, N. W., 17:123-47
 Schmidt, R. A., 19:353-71
 Schroth, M. N., 20:235-56
 Schwarzbach, E., 16:159-80
 Seem, R. C., 22:133-150
 Semancik, J. S., 17:461-84
 Sequeira, L., 16:453-81
 Shaner, G., 19:273-96
 Shaw, M., 15:135-51
 Shepard, J. F., 19:145-66
 Sherwood, R. T., 18:259-88
 Shigo, A. L., 22:189-214
 Shipton, P. J., 15:387-407
 Shoemaker, R. A., 19:297-
 307
 Sikora, R. A., 17:37-58
 Simons, J. N., 18:289-310
 Simons, M. D., 17:75-96
 Skye, E., 17:325-41
 Skylakakis, G., 21:117-35
 Slykhuis, J. T., 14:189-
 210
 Smedegaard-Petersen, V.,
 23:475-90
 Smith, A. M., 14:53-73
 Smith, R. J. Jr., 17:301-10
 Snow, G. A., 19:353-71
 Sprague, G. F., 18:147-65
 Starr, M. P., 22:169-88
 Sumner, D. R., 19:167-87
 Symons, R. H., 21:179-99
 Szkolnik, M., 16:103-29

T

- Talbot, P. H. B., 15:41-54
 Tattar, T. A., 14:309-25
 Taylor, A. J., 14:97-119
 Teng, P. S., 23:351-80
 TeBeest, D. O., 17:301-10
 Templeton, G. E., 17:301-
 10
 Thresh, J. M., 20:193-218
 Thurston, H. D., 15:223-47
 Tietz, H., 16:343-58
 Tolmsoff, W. J., 21:317-40
 Tolstrup, K., 23:475-90
 Tomiyama, K., 21:1-12
 Torres, E., 19:41-49
 Trappe, J. M., 15:203-22;
 22:331-59
 Triantaphyllou, A. C., 18:333-
 59, 21:271-88
 Tuite, J., 17:343-66

U

- Upper, C. D., 21:243-69

528 CONTRIBUTING AUTHORS

V

Van Alfen, N. K., 20:349-62
 Vance, C. P., 18:259-88
 Vanderplank, J. E., 14:1-10
 Van Etten, J. L., 20:281-301
 Vanfleteren, J. R., 16:131-57
 Van Gundy, S. D., 17:405-29
 Van Regenmortel, M. H. V.,
 16:57-81
 Vidaver, A. K., 14:451-65

W

Wahl, I., 17:367-403

Walker, J. C., 13:15-29, 17:13-
 20, 20:33-39

Wallace, H. R., 16:379-402
 Warren, G., 17:163-79
 Weinstein, L. H., 19:257-71
 Wellman, R. H., 15:153-64
 Wiese, M. V., 20:419-32
 Wilcox, H., 21:221-42
 Wilhelm, S., 16:343-58, 20:27-
 32

Williams, P. H., 17:311-24
 Williams, R. J., 21:153-78
 Wenzel, G., 23:149-72
 Wolfe, M. S., 16:159-80;
 23:251-74

Woltz, S. S., 16:403-30
 Wynn, W. K., 19:237-55

Y

Yoder, O. C., 18:103-29
 Young, H. C. Jr., 16:263-85

Z

Zadoks, J. C., 23:455-74
 Zeyen, R. J., 20:119-42
 Zitter, T. A., 18:289-310
 Zuckerman, B. M., 22:95-113

CHAPTER TITLES, VOLUMES 14-23

PREFATORY CHAPTERS

Four Essays	J. E. Vanderplank	14:1-10
Spores in Air	P. H. Gregory	15:1-11
Phytopathology in a Developing Country	A. A. Bitancourt	16:1-18
Conceptualizing in Plant Pathology	W. B. Hewitt	17:1-12
Recollections of a Genetical Plant Pathologist	A. F. Posnette	18:1-9
Recollections and Reflections	L. M. Black	19:1-19
Meditations on Fifty Years as an Apolitical Plant Pathologist	K. F. Baker	20:1-25
Research on the Hypersensitive Response	K. Tomiyama	21:1-12
Exploring Tropical Rice Diseases: A Reminiscence	S. H. Ou	22:1-10
Plant Pathology at the Crossroads	A. Kelman	23:1-11

HISTORICAL PERSPECTIVES

Contributions to the History of Plant Pathology in South America, Central America, and Mexico	J. A. B. Nolla, M. V. Fernandez Valiela	14:11-29
Little-Known Plant Pathologists: Ethelbert Dowlen	M. W. Gardner	15:13-15
Landmarks in Plant Virology: Genesis of Concepts	R. Markham	15:17-39
J. C. Arthur: The Man and His Work	G. B. Cummins	15:19-30
Julius Kuehn—His Concept of Plant Pathology	S. Wilhelm, H. Tietz	16:343-58
Leaders in Plant Pathology: L. R. Jones	J. C. Walker	17:13-20
Important Little-Known Contributors to Plant Pathology: Mason Blanchard Thomas	G. C. Kent	17:21-28
Roland Thaxter	J. G. Horsfall	17:29-35
James G. Dickson: The Man and His Work	G. W. Bruchl	18:11-18
Pioneer Leaders in Plant Pathology: J. H. Craigie	G. J. Green, T. Johnson, I. L. Connors	18:19-25
Herbert Hice Whetzel: Pioneer American Plant Pathologist	A. G. Newhall	18:27-36
Gerald Thorne	K. R. Barker, E. M. Noffsinger, G. D. Griffin	19:21-28
W. J. Dowson	S. D. Garrett	19:29-34
G. W. Keitt	C. Leben	19:35-40
Heinrich Anton de Bary: Nach Einhundertfünfzig Jahren	J. G. Horsfall, S. Wilhelm	20:27-32
Pioneer Leaders in Plant Pathology: Benjamin Minge Duggar	J. C. Walker	20:33-39
Charles Chupp: Extension Plant Pathologist	C. W. Boothroyd	20:41-47
Pioneer Leaders in Plant Pathology: F. D. Heald	K. F. Baker, G. W. Fischer	21:13-20
Erwin Frink Smith—Pioneer Plant Pathologist	C. L. Campbell	21:21-27
Pioneer Leaders in Plant Pathology: E. C. Stakman	R. R. Nelson	22:11-19
Pioneer Leaders in Plant Pathology: Cynthia Westcott, Plant Doctor	R. K. Horst	22:21-26
Pioneer Leaders in Plant Pathology: James Johnson	R. W. Fulton	22:27-34
Landmarks in the Development of Phytobacteriology	M. P. Starr	22:169-88

William Brown: Pioneer Leader in Plant Pathology	S. D. Garrett	23:13-18
Ernst Gäumann, 1893-1963: Pioneer Leader in Plant Pathology	H. Kern	23:19-22
APPRAISAL OF PLANT DISEASE		
Electrophysiological Research in Plant Pathology	T. A. Tattar, R. O. Blanchard	14:309-25
Economics of Disease-Loss Management	G. A. Carlson, C. E. Main	14:381-403
Global Status of Maize Downy Mildew	R. A. Frederiksen, B. L. Renfro	15:249-75
The Diagnosis of Plant Diseases of Complex Etiology	H. R. Wallace	16:379-402
Insurance, Information, and Organizational Options in Pest Management	G. A. Carlson	17:149-61
Scientific Proportion and Economic Decisions for Farmers	J. Grainger	17:223-52
Causes and Consequences of the 1976-77 Wheat Leaf Rust Epidemic in Northwest Mexico	H. J. Dubin, E. Torres	19:41-49
The Art and Science of Diagnosis	R. Grogan	19:333-51
Current Status and Management of Fusiform Rust on Southern Pines	H. R. Powers, R. A. Schmidt, G. A. Snow	19:353-71
Crop Management by Comprehensive Appraisal of Yield Determining Variables	M. V. Wiese	20:419-32
Integrative Analyses of Host-Pathogen Relations	R. S. Loomis, S. S. Adams	21:341-62
Grain Molds in the Tropics: Problems and Importance	R. J. Williams, D. McDonald	21:153-78
The Spatial Analysis of Soilborne Pathogens and Root Diseases	C. L. Campbell, J. P. Noe	23:129-48
Limiting the Effect of Disease Resistance on Yield	V. Smedegaard-Petersen, K. Tolstrup	23:475-90
PATHOGENS-General		
Haustoria of Phanerogamic Parasites	J. Kuijt	15:91-118
Applications of Plant Virus Serology	M. H. V. Van Regenmortel	16:57-81
Nonparasitic Plant Pathogens	S. S. Woltz	16:403-30
Lichens as Biological Indicators of Air Pollution	E. Skye	17:325-41
The Biology of Striga, Orobanche, and Other Root-Parasitic Weeds	L. J. Musselman	18:463-89
Impact of Air Pollutants on Plant Productivity	L. H. Weinstein, J. A. Laurence	19:257-71
Acid Precipitation Effects on Terrestrial Vegetation	L. S. Evans	22:397-420
Plant Diseases Caused by Flagellate Protozoa (<i>Phytomonas</i>)	M. Dollet	22:115-32
PATHOGENS-Fungi		
Fossil Fungi	K. A. Pirozynski	14:237-46
Selection of Fungi for Ectomycorrhizal Inoculation in Nurseries	J. M. Trappe	15:203-22
Coevolution of the Rust Fungi on Gramineae and Liliaceae and Their Hosts	Y. Anikster, I. Wahl	17:367-403
Effects of Fungal Viruses on Their Hosts	S. A. Ghabrial	18:44-61
Changes in Taxonomy and Nomenclature of Important Genera of Plant Pathogens	R. A. Shoemaker	19:297-307
Physiology and Biochemistry of Fungal Sporulation	K. R. Dahlberg, J. L. Van Etten	20:231-301
Heteroploidy as a Mechanism of Variability among Fungi	W. J. Tolmsoff	21:317-40

Fungal Parasitism of Woody Plant Roots from Mycorrhizal Relationships to Plant Disease	H. E. Wilcox	21:221-42
The Biology, Ecology, and Control of <i>Sclerotium rolfsii</i>	Z. K. Punja	23:97-128
Parasite: Host: Environment Specificity in the Cereal Rusts	L. E. Browder	23:201-50
PATHOGENS-Bacteria		
Serological Identification of Plant Pathogenic Bacteria	N. W. Schaad	17:123-47
Ecology of the Soft Rot <i>Erwinias</i>	M. C. M. Perombelon, A. Kelman	18:361-87
The DNA Homology Matrix and Non-Random Variation Concepts as the Basis for the Taxonomic Treatment of Plant Pathogenic and Other Bacteria	D. C. Hildebrand, M. N. Schroth, O. C. Huisman	20:235-56
The Role of Bacterial Ice Nucleation in Frost Injury to Plants	S. E. Lindow	21:363-84
Ecology and Epidemiology of Foliar Bacterial Plant Pathogens	S. S. Hirano, C. D. Upper	21:243-69
Infectivity Titration with Bacterial Plant Pathogens	G. L. Ercolani	22:35-52
The Molecular Genetics of Plant Pathogenic Bacteria and Their Plasmids	N. J. Panopoulos, R. C. Peet	23:381-419
PATHOGENS-Viruses		
Epidemiology and Control of Tomato Mosaic Virus	L. Broadbent	14:75-96
Virus and Virus-Like Diseases of Cereal Crops	J. T. Slykhuus	14:189-210
Whitefly-Transmitted Plant Diseases	A. S. Costa	14:429-49
Nonpersistent Transmission of Plant Viruses by Aphids	T. P. Pirone, K. F. Harris	15:55-73
Ecology and Control of Viruses with Soil-Inhabiting Vectors	B. D. Harrison	15:331-60
Use of Virus-Induced Inclusions in Classification and Diagnosis	J. R. Edwardson, R. G. Christie	16:31-55
Small Pathogenic RNA in Plants—The Viroids	J. S. Semancik	17:461-84
Biological Significance of Multicomponent Viruses	R. W. Fulton	18:131-46
Immunosorbent Assays in Plant Pathology	M. F. Clark	19:83-106
Arthropod and Nematode Vectors of Plant Viruses	K. F. Harris	19:391-426
Satellites of Plant Viruses	A. F. Murrant, M. A. Mayo	20:49-70
A Molecular Biological Approach to Relationships Among Viruses	A. R. Gould, R. H. Symons	21:179-99
Plant Viral Double-Stranded RNA	J. A. Dodds, T. J. Morris, R. L. Jordan	22:151-68
Advances in Geminivirus Research	B. D. Harrison	23:55-82
PATHOGENS-Nematodes		
Relationships Between Nematode Population Densities and Crop Responses	K. R. Barker, T. H. A. Olthof	14:327-53
Sensory Mechanisms in Nematodes	N. A. Croll	15:75-89
Axenic Culture of Free-Living, Plant-Parasitic, and Insect-Parasitic Nematodes	J. R. Vanfleteren	16:131-57
Relationship of Physical and Chemical Factors to Populations of Plant-Parasitic Nematodes	D. C. Norton	17:279-99
Cytogenetics and Morphology in Relation to Evolution and Speciation of Plant-Parasitic Nematodes	A. C. Triantaphyllou, H. Hirschmann	18:333-59

532 CHAPTER TITLES

Dynamic Action Thresholds for Diseases Induced by Nematodes	H. Ferris	19:427-36
Mechanism of Resistance to Plant Nematodes	J. Giebel	20:257-79
Pathology of the Pine Wilt Disease Caused by <i>Bursaphelenchus xylophilus</i>	Y. Mamiya	21:201-20
The International <i>Meloidogyne</i> Project—Its Goals and Accomplishments	J. N. Sasser, J. D. Eisenback, C. C. Carter, A. C. Triantaphyllou	21:271-88
Nematode Chemotaxis and Possible Mechanisms of Host/Prey Recognition	B. M. Zuckerman, H. B. Jansson	2:95-113
The Ecology of Nematodes in Agroecosystems	D. W. Freckman, E. P. Caswell	23:275-96
PATHOGENS-Mollicutes		
Diseases Caused by Leafhopper-Borne, Rickettsia-Like Bacteria	D. L. Hopkins	15:277-94
Mycoplasmas, Spiroplasmas, and Rickettsia-Like Organisms as Plant Pathogens	F. Nienhaus, R. A. Sikora	17:37-58
Insect Vector Relationships with Prokaryotic Plant Pathogens	A. H. Purcell	20:397-417
Mechanisms of Spiroplasma Pathogenicity	M. J. Daniels	21:29-43
Wall-Less Prokaryotes of Plants	J. M. Bove	22:361-96
MORPHOLOGY AND ANATOMY		
Papillae and Related Wound Plugs of Plant Cells	J. R. Aist	14:145-63
Microbodies in Plant Pathogenic Fungi	D. P. Maxwell, V. N. Armentrout, L. B. Graves, Jr.	15:119-34
Root Graft Transmission of Tree Pathogens	A. H. Epstein	16:181-92
Reactions of Nonsusceptible to Fungal Pathogens	M. C. Heath	18:211-36
Tissue Replacement Diseases Caused by Fungi	E. S. Luttrell	19:373-89
Compartmentalization: A Conceptual Framework for Understanding How Trees Grow and Defend Themselves	A. L. Shigo	22:189-214
PHYSIOLOGY OF HOST-PATHOGEN INTERACTION		
The Tumor-Inducing Substance of <i>Agrobacterium tumefaciens</i>	C. I. Kado	14:265-300
The Role of RNA in Host-Parasite Specificity	A. K. Chakravorty, M. Shaw	15:135-51
Lectins and Their Role in Host-Pathogen Specificity	L. Sequeira	16:453-81
Water Relations of Water Molds	J. M. Duniway	17:431-60
Toxins in Pathogenesis	O. C. Yoder	18:103-29
Lignification as a Mechanism of Disease Resistance	C. P. Vance, T. K. Kirk, R. T. Sherwood	18:259-88
Role of Stillbenes in Decay and Disease Resistance	J. H. Hart	19:437-58
Nutrient Movement in Host-Pathogen Systems	J. G. Hancock, O. C. Huisman	19:309-31
Host-Specific Toxins and Chemical Structures from <i>Alternaria</i> Species	S. Nishimura, K. Kohmoto	21:87-116
Induction of Resistance or Susceptibility	S. Ouchi	21:289-315
The Role of Recognition in Plant Disease	J. M. Daly	22:273-307
The Relevance of Non-Host-Specific Toxins in the Expression of Virulence by Pathogens	R. E. Mitchell	22:215-45
Concepts and Methods Regarding Host Plant Resistance to Arthropods and Pathogens	M. K. Harris, R. A. Frederiksen	22:247-72
Enzymatic Penetration of the Plant Cuticle by Fungal Pathogens	P. E. Kolattukudy	23:223-50
Transposon Mutagenesis and Its Potential for Studying Virulence Genes in Plant Pathogens	D. Mills	23:297-320

GENETICS OF HOST-PATHOGEN INTERACTION

Diseases As a Factor in Plant Evolution	J. R. Harlan	14:31-51
Genetic Change in Host-Parasite Populations	C. Person, J. V. Groth, O. M. Mylyk	14:177-88
Diploidy in Plant Pathogenic Fungi	C. E. Caten, A. W. Day	15:295-318
Patterns of Race Changes in Powdery Mildews	M. S. Wolfe, E. Schwarzbach	16:159-80
Current Concepts on Interorganismal Genetics	W. Q. Loegering	16:309-20
Genetic Systems in Phytopathogenic Bacteria	G. H. Lacy, J. V. Leary	17:181-202
Theory of Genetic Interactions Among Populations of Plants and Their Pathogens	K. J. Leonard, R. J. Czocho	18:237-58
Changing Concepts in Host-Pathogen Genetics	A. H. Ellingboe	19:125-43
Role of Genetics in Etiological Phytopathology	V. E. Gracen	20:219-33
The Genetics and Pathology of <i>Rhizoctonia Solani</i>	N. A. Anderson	20:329-47
Mutations, the Aberrant Ratio Phenomenon and Virus Infection of Maize	M. K. Brakke	22:77-94
The Role and Importance of Pathogens in Natural Plant Communities	A. Dinooor, N. Eshed	22:443-66

EPIDEMIOLOGY AND INFLUENCE OF ENVIRONMENT

Ethylene in Soil Biology	A. M. Smith	14:53-73
Microbial Colonization of Plant Roots	G. D. Bowen, A. D. Rovira	14:121-44
Management of Food Resources by Fungal Colonists of Cultivated Soils	G. W. Bruehl	14:247-64
The <i>Sirex</i> - <i>Amylostereum</i> - <i>Pinus</i> Association	P. H. B. Talbot	15:41-54
Application of Epidemiological Principles to Achieve Plant Disease Control	R. D. Berger	15:165-83
Water Potential and Wood-Decay Fungi	D. M. Griffin	15:319-29
Effect of Herbicides on Plant Diseases	J. Altman, C. L. Campbell	15:361-85
Host and Environmental Influences on Sporulation in Vitro	J. Rotem, Y. Choen, E. Bashi	16:83-101
Ecology of <i>Phymatotrichum omnivorum</i>	S. D. Lyda	16:193-209
Role of Disease Monitoring in Preventing Epidemics	H. C. Young Jr., J. M. Prescott, E. E. Saari	16:263-85
Intercontinental Epidemiology of Dutch Elm Disease	J. N. Gibbs	16:287-307
Yellow Rust Epidemiology	F. Rapilly	17:59-73
Relation of Small Soil Fauna to Plant Disease	M. K. Beute, D. M. Benson	17:485-502
Soil Anaerobiosis, Microorganisms, and Root Function	M. C. Drew, J. M. Lynch	18:37-66
Systems Analysis in Epidemiology	J. Kranz, B. Hau	18:67-83
Effects of Environment on Fungal Leaf Blights of Small Grains	G. Shaner	19:273-96
Tropic and Toxic Responses of Pathogens to Plants	W. Wynn	19:237-55
Host Density as a Factor in Plant Disease Ecology	J. J. Burdon, G. A. Chilvers	20:143-66
Interrelations of Root Growth Dynamics to Epidemiology of Root-Invasive Fungi	O. C. Huisman	20:303-27
Modeling of Soilborne Pathogens	C. A. Gilligan	21:45-64
The Interaction between Environmental Stress Injury and Biotic Disease Physiology	P. G. Ayres	22:53-75
Disease Incidence and Severity Relationships	R. C. Seem	22:133-50
Plant Response to Air Pollutant Mixtures	R. A. Reinert	22:421-42
The Epidemiology of Forest Nursery Diseases	W. J. Bloomberg	23:83-96
A Comparison of Simulation Approaches to Epidemic Modeling	P. S. Teng	23:351-80

ACTION OF TOXICANTS AND CHEMICAL CONTROL

Acquired Resistance to Fungicides	J. Dekker	14:405-28
Problems in Development, Registration, and Use of Fungicides	R. H. Wellman	15:153-63

Techniques Involved in Greenhouse Evaluation of Deciduous Tree Fruit Fungicides	M. Szkolnik	16:103-29
Fungicide Formulation: Relationship to Biological Activity	P. A. Backman	16:211-37
Movement of Fumigants in Soil, Dosage Responses, and Differential Effects	D. E. Munnecke, S. D. Van Gundy	17:405-29
Nontarget Effects of Pesticides on Soilborne Pathogens and Disease	R. Rodriguez-Kabana, E. A. Curl	18:311-32
Iatrogenic Plant Diseases	E. Griffiths	19:69-82
Structural Requirements of Systemic Fungicides	L. V. Edgington	19:107-24
Theory and Strategy of Chemical Control	G. Skylakakis	21:117-35
Reactions of Mycorrhizal Fungi and Mycorrhiza Formation to Pesticides	J. M. Trappe, R. Molina, M. Castellano	22:331-59
The Bioregulatory Action of Flavor Compounds on Fungal Spores and Other Propagules	R. C. French	23:173-200
The Chemical Control of Post-Harvest Diseases: Subtropical and Tropical Fruits	J. W. Eckert, J. M. Ogawa	23:421-54
BIOLOGICAL AND CULTURAL CONTROL		
Fire and Flame for Plant Disease Control	J. R. Hardison	14:355-79
Prospects for Control of Phytopathogenic Bacteria by Bacteriophages and Bacteriocins	A. K. Vidaver	14:451-65
Monoculture and Soilborne Plant Pathogens	P. J. Shipton	15:387-407
Allelopathy in Agroecosystems	A. R. Putnam, W. B. Duke	16:431-51
Agrobacterium Radiobacter Strain 84 and Biological Control of Crown Gall	L. W. Moore, G. Warren	17:163-79
Biological Weed Control with Mycoherbicides	G. E. Templeton, D. O. TeBeest, R. J. Smith, Jr.	17:301-10
Control of Storage Diseases of Grain	J. Tuite, G. H. Foster	17:343-66
Management of Viruses by Alteration of Vector Efficiency and by Cultural Practices	T. A. Zitter, J. N. Simons	18:289-310
Biological Control of Soilborne Fungal Propagules	G. C. Papavizas, R. D. Lumsden	18:389-413
Biological Control of Nematode Pests by Natural Enemies	R. Mankau	18:415-40
Solar Heating (Solarization) of Soil for Control of Soilborne Pests	J. Katan	19:211-36
Effects of Reduced Tillage and Multiple Cropping on Plant Diseases	D. R. Sumner, B. Doupnik, Jr., M. G. Boosalis	19:167-87
Cropping Practices and Virus Spread	J. M. Thresh	20:193-218
Potential for Biological Control of Plant Diseases on the Phylloplane	J. P. Blakeman, N. J. Fokkema	20:167-92
Biology and Potential for Disease Control of Hypovirulence of <i>Endothia Parasitica</i>	N. K. Van Alfen	20:349-62
Suppressive Soils	D. Hornby	21:65-85
Trichoderma and Gliocladium: Biology, Ecology, and Potential for Biocontrol	G. C. Papavizas	23:23-54
BREEDING FOR RESISTANCE		
Spore Yield of Pathogens in Investigations of the Race-Specificity of Host Resistance to Disease	R. Johnson, A. J. Taylor	14:97-119
Alien Germ Plasm As a Source of Resistance to Disease	D. R. Knott, J. Dvořák	14:211-35
An Assessment of Stabilizing Selection in Crop Variety Development	P. Crill	15:185-202
Genetics of Horizontal Resistance to Plant Diseases	R. R. Nelson	16:359-78

Modification of Host-Parasite Interactions Through Artificial Mutagenesis	M. D. Simons	17:75-96
Components of Resistance that Reduce the Rate of Epidemic Development	J. E. Parlevliet	17:203-22
Pathogen Variability and Host Resistance in Rice Blast Disease	S. H. Ou	18:167-87
New Concepts in Breeding for Disease Resistance	R. A. Robinson	18:189-210
Protoplasts as Sources of Disease Resistance in Plants	J. F. Shepard	19:145-66
Genetics of Disease Resistance in Edible Legumes	J. P. Meiners	19:189-209
Genetics and Epidemiological Modeling of Breakdown of Plant Disease Resistance	S. Kiyosawa	20:93-117
Breeding Strategies for Stress and Disease Resistance in Developing Countries	I. W. Buddenhagen	21:385-409
A Critical Analysis of Durable Resistance Strategies in Unconventional Breeding for Disease Resistance	R. Johnson	22:309-30
The Current Status and Prospects of Multiline Cultivars and Variety Mixtures for Disease Resistance	G. Wenzel	23:149-72
	M. S. Wolfe	23:251-74
SPECIAL TOPICS		
The Plant Disease Clinic—A Thorn in the Flesh, or a Challenging Responsibility	R. Aycok	14:165-75
International Crop Development Centers: A Pathologist's Perspective	H. D. Thurston	15:223-47
Plant Pathology in the People's Republic of China	A. Kelman, R. J. Cook	15:409-29
Forest Pathology: Unique Features and Prospects	G. H. Hepting, E. B. Cowling	15:431-50
Innovative Teaching of Plant Pathology	W. Merrill	16:239-61
Reduction of Losses in Fresh Market Fruits and Vegetables	J. M. Harvey	16:321-41
Calcium-Related Physiological Disorders of Plants	F. Bangerth	17:97-122
Unique Features of the Pathology of Ornamental Plants	K. F. Baker, R. G. Linderman	17:253-77
Vegetable Crop Protection in the People's Republic of China	P. H. Williams	17:311-24
An Appraisal of the Effectiveness of Quarantines	G. Mathys, E. A. Baker	18:85-101
Germplasm Resources of Plants: Their Preservation and Use	G. F. Sprague	18:147-65
Extension: The Face of Plant Pathology	C. W. Horne	19:51-67
Advances of Science of Plant Protection in the People's Republic of China	W. F. Chiu, Y. H. Chang	20:71-92
Application of In Situ Microanalysis in Understanding Disease: X-Ray Microanalysis	R. J. Zeyen	20:119-42
Closed System Agriculture: Resource Constraints, Management Options, and Design Alternatives	T. C. Edens, D. L. Haynes	20:363-95
Extension Plant Pathology: Challenges and Opportunities	B. J. Jacobsen	21:137-52
Monoclonal Antibodies in Plant Disease Research	E. L. Halk, S. H. DeBoer	23:321-50
On the Conceptual Basis of Crop Loss Assessment: The Threshold Theory	J. C. Zadoks	23:455-74
Plant Pathology in the Small Farm Context	R. A. Moreno	23:491-517